DCCUMENT RESUME

ED 140 915 JC 770 360

TITLE	Program Vitality Report as of Fall 1976.
INSTITUTION	Los Angeles Community Coll. District, Calif. Div. of Educational Planning and Development.
PUB DATE	Jun 77
NOTE	23p.
EDRS PRICE	MF-$0.83 HC-$1.67 Plus Postage.
DESCRIPTORS	*College Curriculum; Community Colleges; *Declining Enrollment; *Enrollment Trends; Instructional Programs; *Intellectual Disciplines; *Junior Colleges; Multicampus Districts; Program Evaluation
IDENTIFIERS	*Los Angeles Community College District; Weekly Student Contact Hours

ABSTRACT

The purpose of this report is to provide information about educational programs offered by the Los Angeles Community College District colleges in which student enrollments as expressed in weekly student contact hours have significantly declined. Programs showing a 16% or greater decline in weekly student contact hours (WSCH) as compared with 1973 baseline data were included in this report. An index of program vitality at each of the district's colleges, called the Program Vitality Quotient, was calculated by subtracting the percentage of total programs showing a decline in vitality from 100. Results of the calculations showed 179 programs showed a significant decline in WSCH as compared to 100 programs in the previous year, the greatest percentage of program declines was 34% at Los Angeles City College, and the greatest number of program declines was 48 (32%) at Los Angeles Trade Technical College. Eight programs showed a decline in WSCH at four or more colleges: botany, cooperative education, geology, German, history, merchandising, office machines, and philosophy. Four tables are included in the report and display the programs showing significant declines by college, by weekly student contact hours from 1973-1976, and by classification of instructional discipline code. (JDS)

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LOS ANGELES COMMUNITY COLLEGE DISTRICT

EDUCATIONAL PROGRAM VITALITY REPORT
AS OF FALL 1976

June 1977

Divisior of Educational Planning and Development

Office of Instructional Development

JC 770 360

EDUCATIONAL PROGRAM VITALITY REPORT

Introduction

The purpose of the Program Vitality Report is to provide information about educational programs offered by the District colieges in which student enrollments as expressed in weekly student contact hours have significantly declined.

A Program Vitality Report was prepared in Fall 1975 listing programs having a 10% or greater decline in WSCH. The criterion for including a program in the Fall 1976 report was increased from 10% to 16% to adjust for more accurate reporting of students who withdrew from classes in Fall 1976.

Program Vitality

Educational Program Vitality is defined for purposes of this report as the ability of a college to effectively meet community educational needs. This concept includes a number of variable factors, all of which may be indicators of the vitality for a given program. The trend in number of weekly student contact hours generated by a program is one of these factors. Others include:

- Job opportunities for graduates from vocational programs
- The number of new entering students who state that they wish to major in the subject
- Articulation to other institutions of higher education
- Changes in graduation requirements

Weekly student contact hours have been selected as the criterion for including a program in this report as data on this factor is readily available from the District Data Base, and provides a common basis for evaluation.

A decline in weekly student contact hours may result from a change in class schedule, a reduction in the number of courses required in the program, or errors in reporting student enrollments. College staff should analyze all available data concerning the programs listed to determine the exact cause for the decline and then plan the required corrective action.

Program Vitality Quotient

The Program Vitality Quotient (PVQ) provides a basis for comparison of the number of programs that are not declining at each college. The PVQ is computed by subtracting the percent of total programs having a decline in vitality from 100.

Definition of Terms

Educational Program

An educational program is defined as "an organized sequence of courses of instruction leading to a defined objective, a degree or certificate, or transfer to another institution of higher education."

Weekly Student Contact Hours

Weekly student contact hours are computed by multiplying the number of students enrolled in each class section of courses in an educational program by the number of hours scheduled for the class section which will be claimed for state apportionment.

CID Code

The Classification of Instructional Discipline Code is given for each educational program. This system is used in California for the classification of disciplines and instructional programs.

Program Vitality Report - Fall 1976

The Weekly Student Contact Hours (WSCH) for all programs offered in Fall 1976 were compared to the WSCH in each program in Fall of 1973. Those programs which had a 16% or greater decline from Fall 1973 to Fall 1976 are analyzed in the following tables:

In Table I, page 5, the number of programs with declining vitality in Fall 1976 are compared with the total number of programs offered at each college. A "Program Vitality Quotient" (PVQ) is computed to provide a basis for comparison by college.

In Table II, pages 6 through 10, programs with declining vitality are listed in alphabetical order.

Table III, pages 11 through 15, lists the declining programs by college.

Table IV, page 16, lists the programs which appeared in the 1975 Program Vitality Report and which show no further decline in 1976.

Findings

An analysis of the information presented in this report revealed the following significant changes:

1. The total number of programs in the District having a significant decline in WSCH increased from 100 in Fall 1975 to 179 in Fall 1976.
2. Los Angeles City College has 33 programs, representing 34% of the programs offered, which appear in Table III, page 11. This is the highest percentage of decline shown by any of our nine colleges.
3. Los Angeles Trade-Technical College has 46 programs, representing 32% of their total programs, listed in Table III, page 13. This represents the largest number of individual programs with declining vitality at any college.
4. Pierce College has the lowest number (9) of programs having a decline in vitality. The nine programs represent 10% of the programs offered at that college.
5. The following eight programs show a decline in WSCH at four or more colleges:

Botany	(C, E, H, P)
Cooperative Education	(C, E, M, P, S, V)
Geology	(C, E, H, V, W)
German	(C, E, P, W)
History	(C, E, M, S, T, V, W)
Merchandising	(C, H, M, T, V)
Office Machines	(E, P, S, T)
Philosophy	(C, E, M, P, S, V)

TABLE 1

A COMPARISON OF EDUCATIONAL PROGRAMS HAVING DECLINING
WEEKLY STUDENT CONTACT HOURS TO TOTAL PROGRAMS OFFERED FALL 1976

Source: District Data Base

College	Total Programs	Number Having A Decline In WSCH	Percent of Total	Vitality Quotient (100 - % of decline)
City	98	33	34%	66
East	87	25	29	71
Harbor	75	18	24	76
Mission	50	12	24	76
Pierce	88	9	10	90
Southwest	64	11	17	83
Trade-Tech.	136	43	32	68
Valley	78	18	22	77
West	50	10	20	80
TOTAL DISTRICT	726	179	25%	75

TABLE II

EDUCATIONAL PROGRAMS EXPERIENCING A 16% OR GREATER DECLINE IN WEEKLY STUDENT CONTACT HOURS
IN FALL 1976 AS COMPARED WITH FALL 1973
Listed in Alphabetical Order

Source: District Data Base

TITLE AND CID NUMBER		% OF DECREASE								
		CITY	EAST	H	M	P	SW	T-T	VALLEY	WEST
Architecture & Environmental Design - 0200										
Architectural Drafting	0230							20		
Architecture	0202			36						43
Biological Science - 0400										
Anatomy	0499		20				33			
Biology	0401		30							
Botany	0402	44	29	39		37				
Microbiology	0411		34							
Physiology	0410		46	25						
Zoology	0407		34	30					31	
Business & Management - 0500										
Accounting	0502							23		
Building & Ground Management	0592							54		
Business	0501		21					20		
Finance	0504	20					25	18		
Management	0506				19			29		
Merchandising (Marketing)	0534	21		55	38			46	47	
Office Machines	0538		63			48	70	25		
Secretarial Science	0514		16	29				20		
Transportation	0510							24		

(9)

TITLE AND CID NUMBER		% OF DECREASE								
		CITY	EAST	H	M	P	SW	T-T	VALLEY	WEST
Communications - 0600										
Developmental Communications	0605		34							
Journalism	0602									34
Public Relations	0630	41								
Radio Communications	0691							28		
Education - 0800										
Cooperative Education	0850	32	26		72	59	78		24	
Education	0801			28				25		22
Health	0837							19		
Industrial Arts	0839								43	
Engineering - 0900										
Aviation Maintenance Technician	0963							34		
Basic A/C Techniques	0964							21		
Diesel Electronic	0930							61		
Drafting	0973					16				
Electronics	0974		23							
Engineering, Civil	0908	31	29							
Engineering, Electrical	0909	54								
Engineering, General	0901						44		19	
Engineering, Mechanical	0910	16								
Engineering Technology	0971			53						
Operation/Maintenance Engineering	0922							29		
Plastics Technology	0954							36		
Quality Control	0991						22			
Radio & TV	0965							30		
Truck Mechanic	0983							38		

TITLE AND CID NUMBER		% OF DECREASE								
		CITY	EAST	H	M	P	SW	T-T	VALLEY	WEST
Fine & Applied Arts - 1000										
Art	1002	22								
Art Production Assistant	1099							55		
Graphic Arts	1030	36								
Graphic Arts Composition	1031							21		
Graphic Arts Management	1037							63		
Theater Arts	1007	24								
Foreign Languages - 1100										
Arabic	1112	51								
Chinese	1107	28								
French	1102	30					59			
German	1103	34	50			18				54
Hebrew	1111		63							
Italian	1104	42							24	
Japanese	1108			32						
Korean	1117	58								
Russian	1106	44								
Health Professions - 1200										
Dental Technology	1224	22								
Medical Assistant	1244								35	
Nurse Aide	1236							28		
Nursing	1203	23		21						
Occupational Therapy	1208	54								
Prosthetics & Orthotics	1243						37			
Radiologic Technology	1225	21								
Home Economics - 1300										
Cooking, Institutional	1391							24		
Family & Consumer Studies	1309		20							

TITLE AND CID NUMBER		% OF DECREASE								
		CITY	EAST	H	M	P	SW	T-T	VALLEY	WEST
Law - 1400										
Law	1401					31			17	
Letters - 1500										
English	1501	27		27		17				
Philosophy	1509	25	25		33	22	16		43	
Speech	1506	16								
Library Science - 1600										
Library Science	1601							23		
Mathematics - 1700										
Statistics	1702			32	60			32		
Physical Science - 1900										
Astronomy	1911	21		18						
Chemical Technology	1906							31		
Chemistry	1905						17			
Earth Science	1917		24							
Geology	1914	43	43	27					31	36
Meteorology	1913	80							36	
Oceanography	1919			47						
Physical Science	1901		62			34			37	
Physics	1902	18		37						
Psychology - 2000										
Psychology	2001			23	24					

TITLE AND CID NUMBER		% OF DECREASE								
		CITY	EAST	H	M	P	SW	T-T	VALLEY	WEST
Public Affairs & Services - 2100										
Administration of Justice	2105		38						19	
Fire Management	2133	34								
Recreation	2103	17								
Social Science - 2200										
Afro-American Studies	2211		21						21	
Anthropology	2202		30						25	29
Chicano Studies (Mexican-American Studies)	2213				18				20	
Economics	2204				53			43		
Geography	2206								37	34
History	2205	29	31		17		41	32	18	20
Political Science	2207							22		30
Sociology	2208	21	18					23		
Commerce - 3000										
Automatic Vending Machine Technology	3095							31		
Electrolysis	3090							54		
Fashion Design	3091							17		
Manicuring	3009							29		
Merchandise Display	3092							31		
Interdisciplinary Studies - 4900										
Humanities	4903									30
Apprenticeship - 5300										
Electrical Lineman	5381							35		
Electrical Cable Splicer	5384							52		
Electronics Technician	5383							80		
Irrigation & Lawn Sprinkler	5391							45		
Painting & Decorating	5338							54		

TABLE III

EDUCATIONAL PROGRAMS EXPERIENCING A 16% OR GREATER DECREASE IN WEEKLY STUDENT CONTACT HOURS IN FALL 1976 COMPARED WITH FALL 1973 BY COLLEGE RANKED IN ORDER OF PERCENTAGE DECREASE

Programs Marked With An Asterisk (*) Appear Also In The 1975 Program Vitality Report as Having A 10% Or Greater Decline In WSCH
Source: District Data Base

PROGRAM	CID	WEEKLY STUDENT CONTACT HOURS				% OF DECREASE 73-76
Los Angeles City College		Fall 1973	Fall 1974	Fall 1975	Fall 1976	
*Meteorology	1913	207	126	120	42	80
*Korean	1117	130	145	93	54	58
Engineering, Electrical	0909	78	90	108	36	54
*Occupational Therapy	1208	1260	986	761	578	54
Arabic	1112	305	170	220	150	51
Botany	0402	486	333	450	270	44
Russian	1106	329	467	379	185	44
*Geology	1914	1296	951	1125	741	43
Italian	1104	659	855	680	385	42
Public Relations	0630	615	618	787	361	41
Graphic Arts	1030	168	126	144	108	36
German	1103	739	842	812	485	34
*Fire Management	2133	312	258	216	207	34
Cooperative Education	0850	1750	2017	1911	1194	32
Engineering, Civil	0908	192	252	414	132	31
French	1102	2197	2205	2041	1532	30
History	2205	6966	6792	6603	4917	29
*Chinese	1107	638	650	534	462	28
English	1501	13836	13357	16948	10159	27
Philosophy	1509	3165	3498	3555	2367	25
Theater Arts	1007	5441	5660	6713	4131	24
*Nursing	1203	4280	4027	2642	3299	23
Art	1002	6739	6752	6910	5286	22
Dental Technology	1224	2448	2138	2266	1916	22
Merchandising	0534	780	753	915	618	21
*Radiologic Technology	1225	1858	1509	1648	1466	21
Astronomy	1911	621	819	945	492	21
Sociology	2208	3423	3483	3612	2688	21
Finance	0504	1084	1382	1642	865	20
Physics	1902	2528	2649	3012	2079	18
Recreation	2103	233	373	333	193	17
Engineering, Mechanical	0910	122	168	162	102	16
*Speech	1506	6663	6738	7218	5574	16

PROGRAM	CID	WEEKLY STUDENT CONTACT HOURS				% OF DECREASE 73-76
		Fall 1973	Fall 1974	Fall 1975	Fall 1976	
East Los Angeles College						
Office Machines	0538	228	188	212	84	63
*Hebrew	1111	204	125	140	75	63
*Physical Science	1901	805	535	320	309	62
*German	1103	504	474	335	252	50
Physiology	0410	845	685	450	460	46
*Geology	1914	723	654	618	414	43
*Administration of Justice	2105	14783	11475	10174	9151	38
*Zoology	0407	1497	1293	1088	987	34
*Microbiology	0411	1561	1572	1266	1023	34
*Developmental Communication	0605	515	2975	321	340	34
History	2205	5208	5232	5142	3597	31
*Biology	0401	3235	3368	2605	2264	30
Anthropology	2202	2007	2049	1857	1410	30
Botany	0402	279	270	252	198	29
*Engineering, Civil	0908	154	99	26	109	29
Cooperative Education	0850	1862	1598	2844	1377	26
*Philosophy	1509	2304	1932	1899	1724	25
*Earth Science	1917	546	429	261	414	24
Electronics	0934	2363	2705	2374	1815	23
Business	0501	1798	1769	1683	1425	21
Afro-American Studies	2211	378	345	744	297	21
Anatomy	0499	1105	1090	1060	885	20
Family & Consumer Studies	1309	2197	1972	1901	1758	20
Sociology	2208	4620	4863	4608	3789	18
Secretarial Science	0514	6956	7044	7200	5814	16
Los Angeles Harbor College						
*Merchandising	0534	503	440	422	225	55
Engineering, Technology	0971	1053	1106	903	499	53
*Oceanography	1919	678	519	351	360	47
Botany	0402	414	549	522	252	39
Physics	1902	1312	1349	1300	823	37
Architecture	0202	1413	1467	1350	902	36
*Japanese	1108	379	299	169	258	32
Statistics	1702	420	288	381	285	32
*Zoology	0407	711	531	360	495	30
Secretarial Science	0514	3080	3123	3073	2179	29
Education	0801	277	506	311	200	28
English	1501	8009	7942	7981	5826	27
Geology	1914	1086	1396	1283	795	27
Physiology	0410	372	378	524	280	25
Psychology	2001	6983	7276	6698	5352	23
*Nursing	1203	4889	4666	4003	3842	21
Astronomy	1911	465	534	486	381	18
Computer Science	0701	225	161	222	188	16
Los Angeles Mission College						

(See page 15)

PROGRAM	CID	WEEKLY STUDENT CONTACT HOURS				% OF DECREASE 73-76
		Fall 1973	Fall 1974	Fall 1975	Fall 1976	
Los Angeles Pierce College						
*Cooperative Education	0850	2863	4031	3326	1173	59
Office Machines	0538	462	539	344	238	48
Botany	0402	540	630	639	342	37
*Physical Science	1901	1351	1406	940	887	34
Law	1401	222	249	246	153	31
Philosophy	1509	4230	4323	4638	3296	22
German	1103	1056	954	1011	861	18
English	1501	11609	11834	12025	9642	17
Drafting	0973	1024	1138	1074	856	16
Los Angeles Southwest College						
Cooperative Education	0850	916	1651	835	198	78
*Office Machines	0538	253	308	170	75	70
*French	1102	282	145	190	115	59
*Engineering, General	0901	43	44	12	24	44
History	2205	2349	2082	2061	1377	41
Prosthetics & Orthotics	1243	315	291	372	200	37
*Anatomy	0499	723	623	495	485	33
Finance	0504	156	156	273	117	25
*Quality Control	0991	211	180	124	165	22
*Chemistry	1905	1337	1204	997	1112	17
Philosophy	1509	498	468	381	420	16
Los Angeles Trade-Technical College						
Electronics Technology	5383	276	144	144	54	80
*Graphic Arts Management	1037	710	543	427	260	63
*Diesel Electric	0930	312	219	213	123	61
Art Production Assistant	1099	1100	1200	1000	500	55
Buildings & Grounds	0592	1131	1161	1044	525	54
Electrolysis	3090	270	0	0	125	54
*Painting & Decorating	5338	1035	234	162	474	54
*Electrical Cable Splicer	5384	195	192	111	93	52
Merchandising	0534	675	681	735	363	46
Irrigation & Lawn	5391	222	219	405	123	45
*Economics	2204	1539	1362	1308	879	43
*Truck Mechanics	0983	552	570	378	342	38
*Plastics Technician	0954	1764	1543	1403	1127	36
Electrical Lineman	5381	240	261	231	156	35
*Aviation Maintenance Technician	0963	6520	4319	4262	4318	34
Statistics	1702	219	222	228	150	32
History	2205	4851	4821	4506	3291	32
*Chemical Technology	1906	1342	1396	1143	926	31
*Merchandise Display	3092	790	429	405	546	31
Auto Vending Machine	3095	1149	1112	1041	795	31
Radio & TV	0965	1450	1112	1364	1022	30
Management	0506	696	774	756	495	29

PROGRAM	CID	WEEKLY STUDENT CONTACT HOURS				% OF DECREASE 73-76
Los Angeles Trade-Technicial College (contd.)						
		Fall 1973	Fall 1974	Fall 1975	Fall 1976	
*Operation/Maintenance Technician	0922	528	534	450	375	29
*Manicuring	3009	140	150	25	100	29
Radio Communication	0691	1297	931	1344	939	28
Nurse Aide	1236	197	252	182	141	28
Office Machine	0538	870	807	897	653	25
Education	0801	96	162	126	72	25
Transport	0510	1188	1428	1423	906	24
Cooking, Institutional	1391	285	202	258	216	24
Accounting	0502	5061	5012	5124	3884	23
Library Science	1601	545	460	638	417	23
Sociology	2208	2016	1980	2517	1557	23
Political Science	2207	1932	1938	2144	1507	22
Basic A/C Techniques	0964	700	700	700	550	21
*Graphic Arts Composition	1031	2120	1331	1837	1675	21
Architectureal Drafting	0230	3046	2906	2885	2433	20
Business	0501	3000	2982	2727	2400	20
Secretarial Science	0514	7515	6616	6842	6047	20
Health	0837	2442	2436	2854	1969	19
Anthropology	2202	642	675	837	519	19
Finance	0504	165	237	189	135	18
*Fashion Design	3091	9992	10107	8802	8295	17
Los Angeles Valley College						
*Merchandising	0534	924	933	627	489	47
Industrial Arts	0839	84	132	138	48	43
*Philosophy	1509	4671	3975	4087	2643	43
Physical Science	1901	492	378	531	312	37
Geography	2206	2952	2757	2835	1857	37
Meteorology	1913	258	240	246	165	36
*Medical Assisting	1244	290	393	134	189	35
Zoology	0407	2646	2696	2560	1834	31
Geology	1914	1758	2028	1839	1209	31
Anthropology	2202	4002	3881	4323	2982	25
Cooperative Education	0850	1937	3071	3172	1470	24
Italian	1104	921	721	918	703	24
Afro-American Studies	2211	747	693	867	588	21
Chicano Studies	2213	1032	1656	1503	825	20
Engineering, General	0901	1638	1652	1564	1330	19
Administration of Justice	2105	4146	4495	5378	3355	19
History	2205	10680	9939	9921	8727	18
Law	1401	1788	2457	2360	1476	17

PROGRAM	CID	WEEKLY STUDENT CONTACT HOURS				% OF DECREASE
		Fall	Fall	Fall	Fall	73-76
West Los Angeles College		1973	1974	1975	1976	
*German	1103	257	204	168	118	54
Architecture	0202	258	390	571	148	43
*Geology	1914	1128	969	870	723	36
Journalism	0602	373	644	746	247	34
*Geography	2206	969	960	720	642	34
Political Science	2207	2179	1846	1827	1524	30
Humanities	4903	1087	867	921	765	30
Anthropology	2202	1389	1221	1323	993	29
*Education	0801	425	456	337	333	22
History	2205	3315	3324	3051	2664	20
Los Angeles Mission College						
Management	0506			249	201	*19
Marketing (Merchandising)	0534			24	15	38
Business Data Processing	0703			236	27	89
Cooperative Education	0850			1478	421	72
Spanish	1105			1126	915	19
Philosophy	1509			147	99	33
Statistics	1702			75	30	60
Psychology	2001			1551	1175	24
Public Services	2101			156	111	29
Economics	2204			141	66	53
History	2205			642	534	17
Mexican-American Studies (Chicano Studies)	2213			33	27	18

*Percentage based on Fall 1975.

TABLE IV

PROGRAMS WHICH APPEARED IN THE 1975 PROGRAM VITALITY REPORT
AND DO NOT SHOW FURTHER DECLINE IN 1976

COLLEGE	PROGRAM TITLE	CID
City	Urban Planning	0206
	Transportation	0510
	Education	0801
	Dental Assisting	1230
East	Architecture	0202
	French	1102
	Home Economics	1330
Harbor	Microbiology	0411
	Printing	1035
	Medical Record Science	1212
	Home Economics	1330
	Recreation	2103
	Social Science	2201
	Science	4901
	Technology	4904
Southwest	Architecture	0202
	Electronics	0934
	Political Science	2207
Trade-Tech	Zoology	0407
	Microbiology	0411
	Restaurant Management	0508
	Work Experience	0850
	Electrical Construction Engineering	0931
	Auto Body Fender	0946
	Auto Mechanics	0947
	Auto Servicing	0962
	Mechanical Drafting	0972
	Aircraft Production Skills	0992
	Aircraft Electronics Technology	0993
	Air Conditioning Technology	0997
	Photography	1011
	Sign Graphics	1033
	Photography Laboratory Technician	1034
	Letter Press	1092
	Operating Room Technician	1293
	Chef Training	1399
	Glazing	5333
	Cabinet Millwork	5339
	Truck & Heavy Equipment Repair	5343
	Electrical Wireman	5382
	Electronics Assistant	5385
Valley	Hebrew	1111
	Astronomy	1911
West	French	1102
	Speech	1506

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